

# Download Outer Planet Entry Heating And Thermal Protection

Atmospheric entry is the movement of an object from outer space into and through the gases of an atmosphere of a planet, dwarf planet, or natural satellite. These are some spacecraft designs that are based on reality. So they appear quite outlandish and undramatic looking. In the next page will appear designs that are fictional, but much more breathtaking. Aerocapture is an orbital transfer maneuver used to reduce the velocity of a spacecraft from a hyperbolic trajectory to an elliptical orbit around the targeted celestial body. The image on the left shows two containers with a white/grey CO<sub>2</sub> deposition, that is the liquid, jelly-like, CO<sub>2</sub>. On top is water. The third tube contains a solution of CH<sub>4</sub>, with at the bottom a green-blueish CH<sub>4</sub> deposition.